

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 09 JUN 2005

International Application No

PCT/US 03/39740

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D451/02 C07D413/06 C07D413/14 C07D471/10 C07D417/14
A61K31/46 A61P31/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/58292 A (SANOFI-SYNTHELABO) 5 October 2000 (2000-10-05) claim 1; examples ---	1-25
X	WO 96/23787 A (SANOFI) 8 August 1996 (1996-08-08) claim 1; examples ---	1-25
X	WO 02/094821 A (SANOFI-SYNTHELABO) 28 November 2002 (2002-11-28) claim 1; examples ---	1-25
X	EDMONDS-ALT ET AL.: THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 303, no. 3, 2002, pages 1171-79, XP002280312 figure 1 ---	1-25
	-/-	

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

14 May 2004

03/06/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ALI ET AL.: BIOORG. MED. CHEM. LETT., vol. 11, 2001, pages 819-822, XP002280313 figure 1A ---	1-25
X	NISHI ET AL.: BIOORG. MED. CHEM. LETT., vol. 10, 2000, pages 1665-68, XP002280314 examples ---	1-25
X	JP 01 031570 A (SANKYO) 1 February 1989 (1989-02-01) examples ---	1-25
Y	WO 02/079194 A (SCHERING CORP) 10 October 2002 (2002-10-10) the whole document ---	1-42
Y	WO 02/05819 A (BONDINELL WILLIAM E ;SMITHKLINE BEECHAM CORP (US); NEEB MICHAEL J) 24 January 2002 (2002-01-24) the whole document ---	1-42
Y	PALANI A ET AL: "Discovery of 4-'(Z)-(4-Bromophenyl)-(ethoxyimino)methyl !-1'-'(2,4-dim ethyl-3-pyridinyl)carbonyl!-4'-methyl-1,4' -bipiperidine N-Oxide (SCH 351125): An Orally Bioavailable Human CCR5 Antagonist for the Treatment of HIV Infection" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 44, no. 21, 11 October 2001 (2001-10-11), pages 3339-3342, XP002220286 ISSN: 0022-2623 the whole document ---	1-42
Y	WO 02/081449 A (NOVARTIS ERFIND VERWALT GMBH ;ALBERT RAINER (CH); NOVARTIS AG (CH)) 17 October 2002 (2002-10-17) the whole document -----	1-42

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 26-30, 40-42 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Present claims 1-42 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of formula (I) in which B-R1 represents a 6-phenyl-1,3-oxazinanyl or a 2-phenyl morpholinyl (i.e. R1 is phenyl) which are supported by the examples.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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